Table 1

		SNPs and Deletion Variants			
1	2	3	4	5	6
SEQ ID NO.	**Polymorphism ID No.**	**Sequence**	**Primers**	**Location and Change**	**Position and Reference Sequence**
4	**5loprr1**	AGGAGCGCGCgAAACCTTCTC	5' upstream reg. elem.	5' upstream reg. elem. G/A	GI:187166 residue 1000
5	**5lo01a**	TGGACTTAAA(GTTAAA del)TACTTTTGTG	5' upstream reg. elem.	5' upstream reg. elem. Deletion	GI:187166 residue 472-477
6	**5lo04a**	TCATGTATCCgATTAGAGACT	5' upstream reg. elem.	5' upstream reg. elem. G/A	GI:187166 residue 559
	[redacted]	[redacted]	[redacted]		[redacted]

KNOWN SNPs

SEQ ID NO.	**Polymorphism ID No.**	**Sequence**	**Primers**	**Location and Change**	**Position and Reference Sequence**
7	**5lonrra**	ACTTACTATAgCACTGCGGTA	5' upstream reg. elem.	5' upstream reg. elem. G/A	GI:187166 residue 84
8	**5lonrrb**	TTACAGATCAgTGGACTAGAA	5' upstream reg. elem.	5' upstream reg. elem. G/A	GI:187166 residue 137

TABLE 2.

SEQ ID NO:	Residue/ Reference Sequence	Probe Sequence
64	1000/GI 187166	AGGAGCGCGC**R**AAACCTTCTC
65	472-477/GI 187166	TGGACTTAAA(**GTTAAA del**)TACTTTTG
66	559/GI 187166	TCATGTATCC**R**ATTAGAGACT

Table 3.

Exon	SEQ ID NO:	Sequence(5' -> 3')	Product Length	Polymorphism ID No.
1	9	GGGCCAGGGACCAGTGGT	296	
	10	AACCGGGTCCCGGACGCA		
2	11	AGGCTCAGGAGACCACGCA	356	
	12	TCCCGCCCCTGCACAG		
3	13	CATTGGGCATTGTTATTGTTCTTC	313	
	14	AGTTGTAGGTAAGGTGAAGTTTGGG		
4	15	TCGTCTGACAGTGTGGGCG	294	
	16	CCATGAGGAAAGGAGTGAGGGT		
5	17	TGGTGTGAAGGGGCTCTGC	244	
	18	AAGTATCAGACAGGAGAGCAGCATC		
6	19	GCCTCGCTTTTCTCCTGGTAG	213	
	20	CCACTTCCCCAGCCCATCA		
7	21	GATTTTTGGTCCGTCTGCTGAG	228	
	22	GAAAGGTGTGCCCCCCAG		
8	23	TTTCCTTTCCCCCAATGTATCA	246	
	24	GGGCGGTAGCTGGCTGTA		
9	25	GAGCTGCGGGTCCCTGAG	226	
	26	AGATAGGGAGTGAAGGCGGC		
10	27	AGCCACCCGCTCAGGGCA	266	
	28	AGGCAGGGGTCCCGGCT		
11	29	TCCGCAGACCTGGCTGG	242	
	30	GAGGGGTGGCGGAGGG		
12	31	CCGGTGGTTCCACCCTAG	177	
	32	GGGAGGAGGCAGCGGCCTT		
13	33	TGCTGGCGGTCGTCTCC	210	
	34	CGCCCTGCCCAGCTTC		
14/3'UTR	35	TGGGATGATTATTTTCTGTTCTATTTGT	292	
	36	GAGTAGACACTGCTTGAGGGAAAAA		
14/3'UTR	37	GCGTCCTGTCCACACCCA	209	
	38	TGAACTGATTTATTTTTATGGCAACC		
14/3'UTR	39	GCCCGATTCCGCAAGAAC	228	5lo7a
	40	GAGGAAGAGATGTGACTGCCAAGA		
14/3'UTR	41	CAGTTTACACGGGTAGTGGATTGAC	340	
	42	GAAGAGATGTGACTGCCAAGAGG		
14/3'UTR	43	CCTCTTGGCAGTCACATCTCTTC	252	
	44	ACAAATAGAACAGAAAATAATCATCCCA		
5'UTR/prom	45	CTAACTCAAAATGGGTCACGGAT	217	5lo1a
	46	ATTGCTTCTGCGGGTTGTGT		
5'UTR/prom	47	GAGAGCCGACCCGTGACC	212	
	48	GCTGATACTGAGGATGGATTCTGG		
5'UTR/prom	49	TGAAAACACAACCCGCAGAAG	216	5lo4a
	50	TGCACCTGGCAAATGGCTT		
5'UTR/prom	51	AAAGAACAGCGTTGGTGGAT	255	5lonrra,5lonrrb
	52	CAAATTCATTGTGTTGCATGTG		
5'UTR/prom	53	AACTTAGCCGAGATCAATACACGC	172	
	54	GCAAATGCCTGGAAGGGTG		
5'UTR/prom	55	GCACAAACCCAAGACAGTATGAGG	112	
	56	CGGCGGGGATGTGAAGTC		
5'UTR/prom	57	TGGCACTGAGAACTTGGGGA	192	
	58	ACTGGGGCAACCTCGGCT		
5'UTR/prom	59	GCTCCAGAATCCATCCTCAGTATC	154	
	60	GCCTCTGCTCTCCCCAAGTTC		